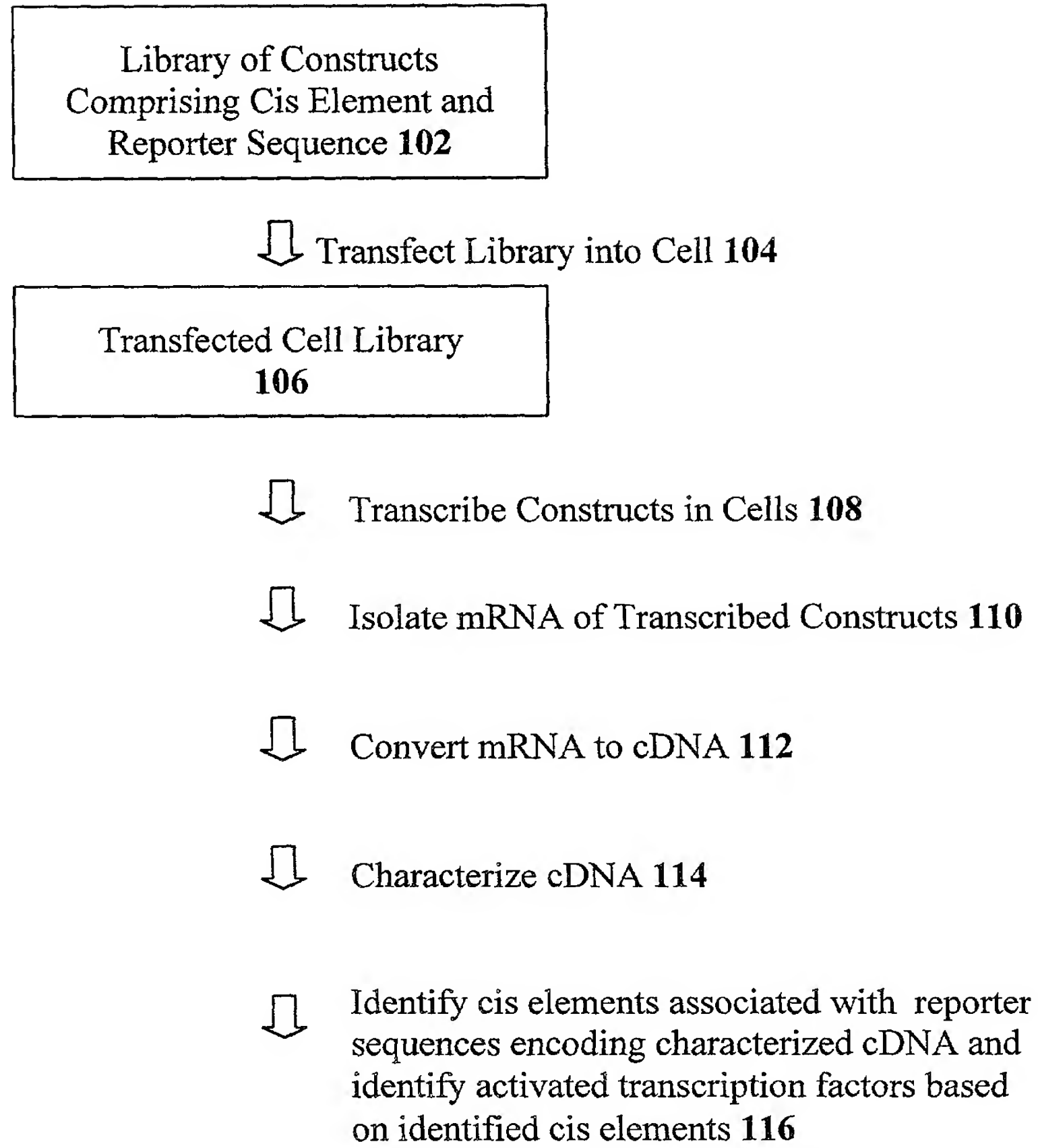


FIGURE 1A



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FIGURE 1B

Library of Constructs
Comprising Cis Element and
Reporter Sequence **102**

↓ Transfect Library into Cell **104**

Transfected Cell Library
106

↓ Transcribe Constructs in Cells **108**

↓ Express Reporter Proteins Encoded By
mRNA from Transcribed Constructs **118**

↓ Identify expressed reporter proteins, identify
cis elements associated with expressed
reporter proteins, and identify activated
transcription factors based on identified cis
elements **120**

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FIGURE 2

Transcription Factor	Name	Cis-Element	Reporter Sequence
AP1	PP01	CGCTTGATGACTCAGCCGGAA [SEQ ID NO: 1]	GTCGTTTACAACGTCGTGACTGGGAAACC CTGGCGTTACCCAACTTAATCGCCTTGCAGC ACATCCCCCTTTCGCCAGCTGGCGTAATAGC GAAGAGG [SEQ ID NO: 31]
	PP02	TTCCGGCTGAGTCATCAAGCG [SEQ ID NO: 2]	CCCGCACCGATCGCCCTTCCCAACAGTTGCG CAGCCTGAATGGCGAATGGCGCTTTGCCTGG TTCCGGCACCAAGAGCGGTGCCGGAAAGCT GGCTGGA [SEQ ID NO: 32]
AP-2	PP03	GATCGAACTGACCGCCCGGCCCGT [SEQ ID NO: 3]	GTGCGATCTTCTGAGGCCGATACTGTCGTC GTCCCTCAAACTGGCAGATGCACGGTTACG ATGCGCCCATCTACACCAACGTAACCTATCC CATTACG [SEQ ID NO: 33]
AP-2	PP04	ACGGGCCGGGGGTGAGTTCGATC [SEQ ID NO: 4]	GTCAATCCGCCGTTTGTCCACGGAGAATC CGACGGTTGTTACTCGCTCACATTTAATGTT GATGAAAGCTGGCTACAGGAAGGCCAGACG CGAATTA [SEQ ID NO: 34]
ARE	PP05	GTCTGGTACAGGGGTGTTCTTTT [SEQ ID NO: 5]	TTTTTGATGGCGTTAACTCGGCGTTTCATCTG TGGTGCAACGGCGCTGGGTCTGTTACGGC CAGGACAGTCGTTTGCCGCTGAAATTTGACC TGAGCGC [SEQ ID NO: 35]
ARE	PP06	AAAAGAACACCCTGTACCAGAC [SEQ ID NO: 6]	ATTTTACGGCCGGAGAAACCGCCTCGCG GTGATGGTGTGCGTTGGAGTGACGGCAGTT ATCTGGAAGATCAGGATATGTGGCGGATGAG CGGCATT [SEQ ID NO: 36]
Brn-3	PP07	CACAGCTCATTAAACGCGC [SEQ ID NO: 7]	TTCCGTGACGTCTCGTTGCTGCATAAACCGA CTACACAAATCAGCGATTTCATGTTGCCACT CGCTTTAATGATGATTTACGCCGCGCTGTACT GGAGG [SEQ ID NO: 37]

FIGURE 2 (cont.)

Brn-3	PP08	GCGCGTTAATGAGCTGTG [SEQ ID NO: 8]	CTGAAGTTCAGATGTGCGGCGAGTTGCGTGA CTACCTACGGTAACAGTTTCTTTATGGCAG GGTGAAACGCGAGGTCGCCAGCGGCCACCGCG CCTTTCGG [SEQ ID NO: 38]
C/EBP	PP09	TGCAGATTGCGCAATCTGCA [SEQ ID NO: 9]	CGTGAAATTATCGATGAGCGTGGTGTAT GCCGATCGCGTCACACTACGTCTGAACGTGCG AAACCCGAAACTGTGGAGCGCCGAAATCCC GAATCTC [SEQ ID NO: 39]
C/EBP	PP10	TGCAGATTGCGCAATCTGCA [SEQ ID NO: 10]	TATCGTGGGTGGTTGAACCTGCACACCGCCG ACGGCACGCTGATTGAAGCAGAACCTGCGA TGTCGGTTCCGCGAGGTGCGGATTGAAAAT GGTCTGC [SEQ ID NO: 40]
CBF	PP11	AGACCGTACGTGATTGGTTAATCTCTT [SEQ ID NO: 11]	TGCTGCTGAACGGCAAGCCGTTGCTGATTGCG AGCGTTAACCGTCACGAGCATCATCCTCTG CATGGTCAGGTCATGGATGAGCAGACGATGG TGCAGGA [SEQ ID NO: 41]
CBF	PP12	AAGAGATTAAACCAATCACGTACGGTCT [SEQ ID NO: 12]	TATCCTGCTGATGAAGCAGAACAACTTTAACG CCGTGCGCTGTTCCGATTATCCGAACCATCC GCTGTGTACACGCTGTGCGACCGCTACGG CCTGTAT [SEQ ID NO: 42]
CDP	PP13	ACCCAATGATTATTAGCCAATTTCTGA [SEQ ID NO: 13]	GTGGTGATGAAGCCAAATATTGAAACCCACG GCATGGTGCCAATGAATCGTCTGACCGATGA TCCGCGCTGGCTACCGGCGGATGAGCGAACG CGTAACGC [SEQ ID NO: 43]
CDP	PP14	TCAGAAATTGGCTAATAATCATTGGGT [SEQ ID NO: 14]	GAATGGTGAGCGCGATCGTAATCACCCGAG TGTGATCATCTGTCGCTGGGGAATGAATCA GGCCACGGCGCTAATCACGACGCGCTGTATC GCTGGAT [SEQ ID NO: 44]
c-Myb	PP15	TACAGGCATAACGGTCCGTTAGTGA [SEQ ID NO: 15]	CAAATCTGTCGATCCTTCCCGCCCGGTGCAG TATGAAGCGCGGAGCCGACACACCGGCC ACCGATATTATTGCCCGGATGTACGCGCGCG TGGATGAA [SEQ ID NO: 45]

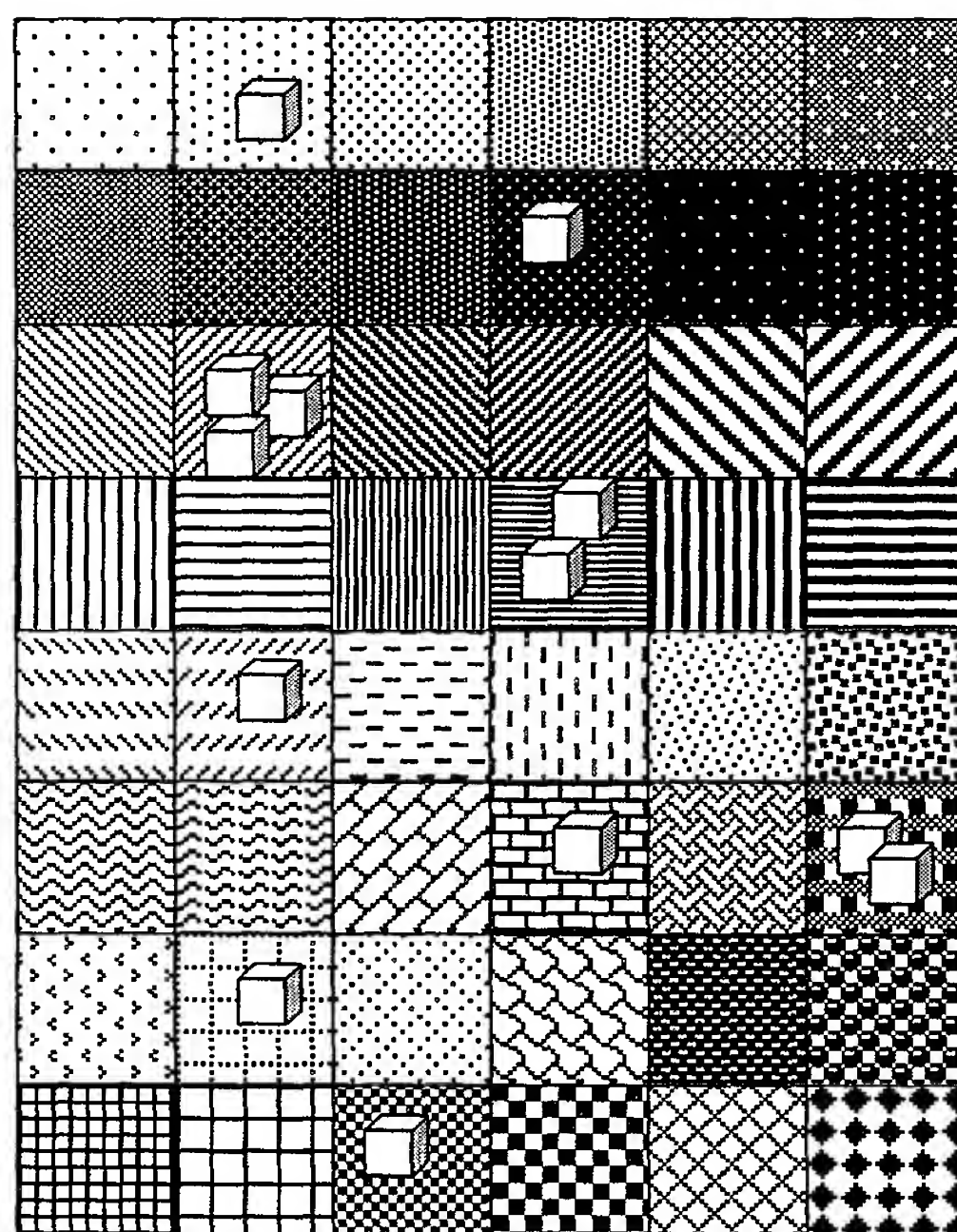
FIGURE 2 (cont.)

c-Myb	PP16	TCACTACGGAACCGTTATGCCTGTA [SEQ ID NO: 16]	GACCAGCCCTCCCGGCTGTGCCGAAATGGT CCATCAAAAATGGCTTTCGCTACCTGGAGA GACGCGCCCGCTGATCCTTTGCGAATACGCC CACGCGA [SEQ ID NO: 46]
CREB	PP17	AGAGATTGCCTGACGTCAGAGAGCTAG [SEQ ID NO: 17]	TGGTAACAGTCTTGGCGGTTTCGCTAAATA CTGGCAGGCGTTTCGTAGTATCCCCGTTTA CAGGGCGGCTTCGTCTGGACTGGGTGGAT CAGTCGCT [SEQ ID NO: 47]
CREB	PP18	CTAGCTCTCTGACGTCAGGCAATCTCT [SEQ ID NO: 18]	GATTAAATATGATGAAAACGGCAACCCGTGG TCGGCTTACGGCGGTGATTTTGGCGATACGC CGAACGATCGCCAGTTCGTGATGAACGGTCT GGTCTTT [SEQ ID NO: 48]
E2F-1	PP19	ATTTAAGTTTCGCGCCCTTTCTCAA [SEQ ID NO: 19]	GCCGACCGCACGCCGCATCCAGCGCTGACG GAAGCAAAACACCAGCAGCAGTTTTTCCAGT TCCGTTTATCCGGGCAAAACCATCGAAGTGAC CAGCGAAT [SEQ ID NO: 49]
E2F-1	PP20	TTGAGAAAGGGCGGAAACTTAAAT [SEQ ID NO: 20]	ACCTGTTCCGTCATAGCGATAACGAGCTCCT GCACTGGATGGTGGCGCTGGATGGTAAGCC GCTGGCAAGCGGTGAAGTGCCTCTGGATGTC GCTCCACA [SEQ ID NO: 50]
EGR	PP21	GGATCCAGCGGGGCGAGCGGGGCCA [SEQ ID NO: 21]	AGGTAAACAGTTGATTGAAC TGCTGAAC TAC CGCAGCCGGAGAGCGCCGGCAACTCTGGC TCACAGTACGCGTAGTGCAACCGAACGCGAC CGCATGG [SEQ ID NO: 51]
EGR	PP22	TGGCCCCGCTCGCCCCCGCTGGATCC [SEQ ID NO: 22]	TCAGAGCCGGGCACATCAGCGCCTGGCAG CAGTGGCGTCTGGCGGAAACCTCAGTGTA CGCTCCCCCGCGTCCACGCCATCCCCGC ATCTGACCA [SEQ ID NO: 52]
ERE	PP23	GTCCAAAGTCAGGTCACAGTGACCTGATCAAAGTT [SEQ ID NO: 23]	CCAGCGAAATGGATTTTGCATCGAGCTGGG TAATAAGCGTTGGCAATTTAACCGCCAGTCA GGCTTTCTTTCACAGATGTGGATTGGCGATAA AAACA [SEQ ID NO: 53]

FIGURE 2 (cont.)

ERE	PP24	AAC TTGATCAGGTCAC TGTGACCTGAC TTTGGAC [SEQ ID NO: 24]	ACTGCTACGCCGCTGCGGATCAGTTCACC CGTGACCCGCTGGATAACGACATTGGCGTAA GTGAAGCGACCCGCA TTGACCCCTAACGCCTG GGTCGAA [SEQ ID NO: 54]
Ets	PP25	GGAGGAGGCTGCTTGAGGAAGTATAAGAAAT [SEQ ID NO: 25]	CGCTGGAAGGCGGGGCCATTACAGGCC GAAGCAGCGTTGTTGCAGTGCACGGCAGATA CACTTGCTGATGCGGTGCTGATTACGACCCGC TCACGCGT [SEQ ID NO: 55]
Ets	PP26	ATTCTTACTTCCTCAAGCAGCCCTCCTCC [SEQ ID NO: 26]	GGCAGCATCAGGGGAAACCTTATTATCAG CCGGAAACCTACCGGATTGATGGTAGTGGT CAATGGCGATTACCGTTGATGTTGAAGTGG CGAGCGA [SEQ ID NO: 56]
Ets-1/PEA3	PP27	GATCTCGAGCAGGAAGTTCGA [SEQ ID NO: 27]	TACACCGCATCCGGCGGGATTGGCCTGAAC TGCCAGCTGGCGAGGTAGCAGAGCGGGTA AACTGGCTCGGATTAGGGCCGCAAGAAACT ATCCCGAC [SEQ ID NO: 57]
Ets-1/PEA3	PP28	TCGAACTTCCTGCTCGAGATC [SEQ ID NO: 28]	CGCCTTACTGCCGCTGTTTGACCGCTGGG ATCTGCCATTGTCAGACATGTATACCCCGTAC GTCTTCCCGAGCGAAACGGTCTGCGCTGCG GGACGC [SEQ ID NO: 58]
FAST-1	PP29	CGGATTGTGATTGGCTGTAC [SEQ ID NO: 29]	GCGAATTGAATTATGGCCACACACAGTGGCG CGCGACTTCCAGTTCAACATCAGCCGCTAC AGTCAACAGCAACTGATGGAAACCAGCCATC GCCATCT [SEQ ID NO: 59]
FAST-1	PP30	GTACAGCCAATACACAATCCG [SEQ ID NO: 30]	GCTGCACGCGGAAGAAGGCACATGGCTGAA TATCGACGGTTCCATATGGGATTGGTGGC GACGACTCCTGGAGCCCGTCAGTATCGGCG GAATTACAG [SEQ ID NO: 60]

FIGURE 3



 probe

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